

Please revise the first full paragraph beginning on page 5, line 1 to read as follows:

A2 A variety of different waveforms may be used for the alternating pulses. Examples include sinusoidal waveforms, and indeed these are preferred as they are common in power supplies in industrial environments, square waveforms and triangular waveforms.

In the Claims:

Please amend Claims 1, 3, and 7-11 as follows:

A3 1. (Amended) A method for treating a metal, comprising subjecting the metal to electrolysis in the presence of an electrolyte using alternating pulses of at least one of voltage and current, said alternating pulses being of opposite polarity, wherein if the electrolyte is an aqueous electrolyte it is an aqueous solution of a salt selected from the group consisting of alkali metal salts, alkali earth metal salts, aluminum salts and ammonium salts.

A4 3. (Amended) A method according to claim 1, wherein the electrolyte contains nitrogen.

7. (Amended) A method according to claim 1, wherein the alternating pulses have waveform selected from the group consisting of sinusoidal waveforms and square waveforms.

A5 8. (Amended) A method according to claim 1, which further comprises, after said step of subjecting the metal to electrolysis, heat treating the metal.

9. (Amended) A method according to claim 1, wherein the metal is in the form of a metal article or a part of a metal article for use in an environment in which it will be exposed to tribological activity.

10. (Amended) A method according to claim 1, wherein the metal is for use as a moving part in an apparatus.

*new process
10
limiter*

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11. (Amended) A method according to claim 1, said step of subjecting the metal to electrolysis being carried out *in situ* on apparatus selected from the group consisting of engineering equipment and storage tanks.